

An Approach To Offline Arabic Character Recognition Using Neural Networks

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**Electronics, Circuits and Systems, 2003. ICECS 2003. Proceedings of the 2003 10th
IEEE International conference; Publication Date: 14-17 Dec. 2003; Vol: 3, On
page(s): 1328- 1331 Vol.3; ISBN: 0-7803-8163-7**

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Summary

Character recognition system can contribute tremendously towards the advancement of automation process and can be useful in many other applications such as Data Entry, Check Verification etc. This paper presents a technique for the automatic recognition of Arabic Characters. The technique is based on Neural Pattern Recognition Approach. The main features of the system are preprocessing of the text, segmentation of the text to individual characters, Feature extraction using centralized moments technique and recognition using RBF Network. The system is implemented in Java Programming Language under Windows Environment. The System is designed for a single font multi size character set.

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